



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310

Documents

Assembly instruction 32 B6

Material and plating

Connector parts

| | | |
|------------------|----------------|-----------------------|
| Center contact | Brass | AuroDur®, gold plated |
| Outer contact | CuBe or equiv. | AuroDur®, gold plated |
| Body | Brass | AuroDur®, gold plated |
| Dielectric | PTFE | |
| Gasket | Silicone | |
| Coupling nut | CuBe or equiv. | Gold, 0.1 µm |
| Crimping ferrule | Copper | AuroDur®, gold plated |

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RF_35/09.14/6.2

Electrical data

| | |
|--|--------------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 12.4 GHz |
| VSWR | ≤ 1.05 + 0.01 x f [GHz], DC to 5 GHz |
| Insertion loss | ≤ 0.04 x √f(GHz) dB, DC to 5 GHz |
| Insulation resistance | ≥ 5 x10 ³ MΩ |
| Center contact resistance | ≤ 3 mΩ |
| Outer contact resistance | ≤ 2 mΩ |
| Test voltage | 1000 V rms |
| Working voltage | 480 V rms |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 200 W @ 2 GHz |
| RF-leakage | ≥ 100 dB up to 1 GHz |

- Limitations are possible due to the used cable type -

Mechanical data

| | |
|-----------------------------------|------------------|
| Mating cycles | min. 500 |
| Coupling nut retention | ≥ 270 N |
| Center contact captivation: axial | ≥ 20 N |
| Coupling test torque | max. 1.7 Nm |
| Recommended torque | 0.8 Nm to 1.1 Nm |

Environmental data

| | |
|---------------------|---------------------------------|
| Temperature range | -65°C to +165°C |
| Thermal shock | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion | MIL-STD-202, Meth. 101, Cond. B |
| Vibration | MIL-STD-202, Meth. 204, Cond. D |
| Shock | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106 |
| RoHS | compliant |

Tooling

| | |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert | 11W150-102 |

Suitable cables

RG 174 A/U, RG 188 A/U, RG 316 /U

Weight

4.7 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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|--|----------|-------------|----------|------|---------------------------|--|----------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| Rong Fang | 22.03.07 | Chr. Janßen | 18.11.20 | h00 | 20-1927 | S. Huber-Siegl | 18.11.20 |
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